

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
	MCM001- VU	1		2% 10 Net 30	1201T293	O-Ring Ø0.072 C.S. x Ø0.558 OD receive ea				100	6/25/2018	100		S083864	Stock	6/25/2018	\$ 0.15 / Ea	0	
		2			92356A247	Carriage Bolt receive ea				50		50		\$083965	Stock	6/25/2018	\$ 0.25 / Ea	0	
		3			98957A736	Threaded Rod				12		12		5083995	Stock	6/25/2018	\$ 1.81 / Ea	0	
		4			5481A1	Adjustable Spanner receive ea				10		10		S083963	Stock	6/25/2018	\$ 28.69 / Ea	0	
		5			4053K751	Pressure Gauge, 0-300 Psi				4		4		S083992	Stock	6/25/2018	\$ 30.67 / Ea	0	
		6			90281A640	Threaded Stud 3/8-16 X 4.0 <sup>ms</sup>				25		25		\$083978	Stock	6/25/2018	\$ 1.65 / Ea	0	
		7			91257A890	Bolt				20		20		S083982	Stock	6/25/2018	\$ 9.13 / pcs	0	
		Ar				UHMW Rod (Round Bar), Black				3		3		S083996	Stock	6/25/2018	\$ 35.05 / ft	0	
1									Total:	224		224						_	

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# Packing Lis

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO040287

Order Placed By Chantal Lavoie

Each

McMaster-Carr Number 5327964-03

Page 1 of 1 06/21/2018

Line	!	Product	Ordered	Shipped
1	92356A247	18-8 Stainless Steel Square-Neck Carriage Bolt, 10-24 Thread Size, 1" Long, Packs of 50	1 Pack	1
3	5481A1	Adjustable Pin Spanner Wrench for Holes on The Face for 5/8" to 2" Circle Diameter	10 Each	10
4	4053K751	Vibration-Resistant Pressure Gauge with 304 Stainless Steel Case, 1/4 NPT Male Bottom Connection, 2-1/2" Dial, 0 to 300 PSI	4 Each	4
5	90281A640	Setup Stud, 3/8"-16 Thread Size, 4" Long, 1-1/4" Long Threads	25 Each	20
5	91257A890	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 3/4"-16 Thread Size, 9" Long, Packs of 1	20 Packs	20
Ship	oped separa	tely from our Chicago warehouse on 06/21	J	UN 2 5 2018
5	90281A640	Setup Stud, 3/8"-16 Thread Size, 4" Long, 1-1/4" Long Threads	2.5	5



Packing Lis<sup>1</sup>

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO040287

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Order Placed By Chantal Lavoie

McMaster-Carr Number 5327964-02

Line		Product	E to Branch	Ordered	Shipped
2	98957A736	Grade B7 Medium-Strength Steel Thread	aded Rod, 1/2"-13 Thread Size, (	6 Feet Long 2	(2) 8/07
7	9900K39	Antistatic UHMW Rod, 3" Diameter, 3' Le	ength	Each 3	/3 ) N V
				Feet	) \$ J

Shipped separately from our Chicago warehouse on 06/21

90281A640 Setup Stud, 3/8"-16 Thread Size, 4" Long, 1-1/4" Long Threads

25 Each

5



# Packing Lis<sup>1</sup>

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com

Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO040287

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Order Placed By Chantal Lavoie

McMaster-Carr Number 5327964-01

Lin	e	Product	Ordered	Shipped
5	90281A640	Setup Stud, 3/8"-16 Thread Size, 4" Long, 1-1/4" Long Threads	25 Each	) (5)
Sh	ipped separa	ately from our Cleveland warehouse on 06/21	9-89	
1	92356A247	18-8 Stainless Steel Square-Neck Carriage Bolt, 10-24 Thread Size, 1" Long	1 Pack	1
2	98957A736	Grade B7 Medium-Strength Steel Threaded Rod, 1/2"-13 Thread Size, 6 Feet Long	2 Each	2
3	5481A1	Adjustable Pin Spanner Wrench for Holes on The Face for 5/8" to 2" Circle Diameter	10 Each	10
4	4053K751	Vibration-Resistant Pressure Gauge with 304 Stainless Steel Case, 1/4 NPT Male Botto Connection, 2-1/2" Dial, 0 to 300 PSI	m 4 Each	4
5	90281A640	Setup Stud, 3/8"-16 Thread Size, 4" Long, 1-1/4" Long Threads	25 Each	20
3		Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 3/4"-16 Thread Size, 9" Long	20 Packs	20
7	9900K39	Antistatic UHMW Rod, 3" Diameter, 3' Length	3 Feet	3



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

# **PURCHASE ORDER** PO040287

JUN 2 1 2018

Tel (613) 632-5200

Supplier: MCM001-VU

McMaster-Carr Supply Co,

P.O. Box 7690

Chicago, IL 60680-7690 USA

Phone: 330 995 5500 Fax: 330 995 9600

PO No:

PO040287

PO Date:

6/21/18

Due Date: **Purchase Order**  6/25/18

Revision: **Revision Date:** 

**Ship-To Contact:** 

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada

Phone: 613-632-5200

Via:

Ground

**Pymt Terms:** 2% 10 Net 30

Freight Terms: **Special Comments:** 

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Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	1201T293	100/pk	O-Ring Ø0.072 C.S. x Ø0.558 OD receive ea	Firmed	6/25/18	100 E	0 Ea	100 Ea	\$0.1482/Ea	\$14.82
2	92356A247	50/pk	Carriage Bolt receive ea	Firmed	6/25/18	50 Fa	0 Ea	50 Ea	\$0.248/Ea	\$12.40
3	98957A736	6 ft long	Threaded Rod	Firmed	6/25/18	12 Ea	0 Ea	12 Ea	\$1.81/Ea	\$21.72
4	5481A1	1/pk	Adjustable Spanner receive ea	Firmed	6/25/18	10 Ea	0 Ea	10 Ea	\$28.69/Ea	\$286.90
5	4053K751	4053K15	Pressure Gauge, 0-300 Psi	Firmed	6/25/18	4 Ea	0 Ea	4 Ea	\$30.67/Ea	\$122.68
6	90281A640	1/pk	Threaded Stud 3/8-16 X 4.0"	Firmed	6/25/18	25 Ea	0 Ea	25 Ea	\$1.65/Ea	\$41.25
7	91257A890	1/pk	Bolt	Firmed	6/25/18	20 pcs	0 pcs	20 pcs	\$9.13/pcs	\$182.60
8	MUHMWR3.000- B	9900K39 3 FT	UHMW Rod (Round Bar), Black	Firmed	6/25/18	3.81	O ft	3 ft	\$35.05/ft	\$105.15
				-		V		(	Grand Total:	\$787.52

**Order Notes** 

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### **Order Notes**

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/21/18 3:06 PM dart.lavoie.chantal

## **Chantal Lavoie**

From:

Jean François Sauve

Sent:

Thursday, June 21, 2018 11:10 AM

To:

Chantal Lavoie

Subject:

FW: New materiel

Allo Chantal,

J'aurais besoin de commander une nouvelle grandeur de UHMW. Voici le p/n de chez Mcmaster.

P/N: 9900K39 (3" Round Bar) Une longueur de 2' svp.

Le # est entré comme suis dans le système. MUHMWR3.000-B.

Aussi, on aurais besoin de Sticker Orange 3/4" de Dia P/N: 15395766 (Orange)

Qty. de 8 svp.

Merci

JFS

From: Kim Johnston

Sent: June-21-18 10:45 AM

To: Jean Francois Sauve < jfsauve@dartaero.com>

Subject: RE: New materiel

done

Thanks,

### Kim Johnston

Engineering Clerk Document Administrator

DART AEROSPACE T 1 613 632-5200 > 226 F 1 613 632-9311



From: Jean François Sauve

Sent: Thursday, June 21, 2018 10:03 AM To: Kim Johnston < kjohnston@dartaero.com >

Subject: New materiel

Hi Kim,

Can you please enter this new material in the system.



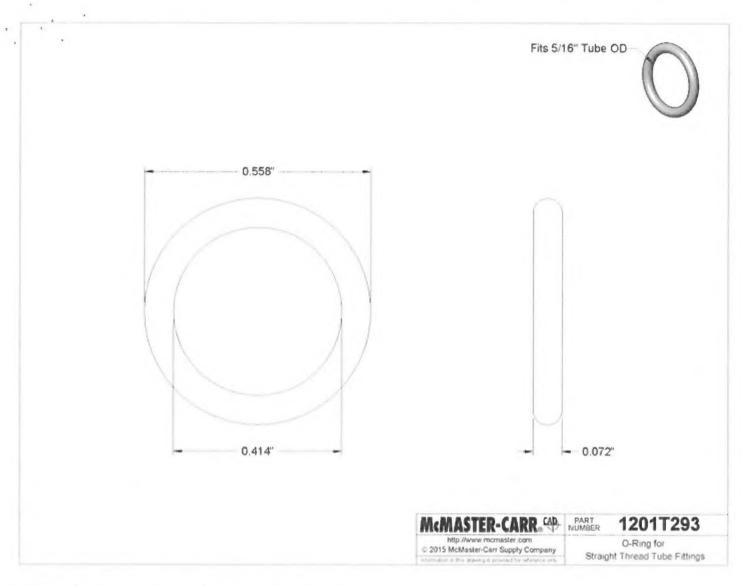
# Chemical-Resistant Viton® Fluoroelastomer O-Ring for Straight-Thread Tube Fitting, Mil. Spec., Dash 905

\$14.82 per pack of 100 1201T293



Material	Viton® Fluoroelastomer Rubber
Cross Section Shape	Round
Dash Number	905
For Tube OD	5/16"
Width	0.072"
ID	0.414"
OD	0.558"
Hardness	Durometer 75A (Medium)
For Use With	Ammonium Hydroxide Animal Oils Benzene Boric Acid Butyl Alcohol Calcium Hydroxide Citric Acid Diluted Salt Solutions Ethanol Ethylene Glycol Glycerin
	Grease Hydraulic Oils Isopropyl Alcohol Mineral Oils Motor Oil Nitric Acid Petroleum Fluids Phosphoric Acid Sodium Bicarbonate Transmission Fluid Vegetable Oils
Specifications Met	ASTM D2000, MIL-R-83248C, SAE AS568, SAE J200
Temperature Range	0° to 400° F
Color	Black
RoHS	Compliant

Also known as Boss O-rings, these Viton® fluoroelastomer O-rings are for use in tube fittings with a stright-thread connection. They meet MIL-R-83248C. They resist chemicals such as benzene, butyl alcohol, and ethylene glycol. All have a round profile and are suitable for a wide range of static and dynamic sealing applications. These O-rings are sized to the SAE standard AS568.



The information in this 3-D model is provided for reference only.



200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Packing List

Purchase Order PO040287

Order Placed By Chantal Lavoie

McMaster-Carr Number 5327964-11

Page 1 of 1

06/21/2018

Line Product

1201T293 Chemical-Resistant Viton Fluoroelastomer O-Ring for Straight-Thread Tube Fitting, Mil. Spec., Dash 905, Packs of 100

1

Ordered Shipped

Pack

04S

JUN 25 2018

# Antistatic UHMW Rod

3" Diameter

In stock \$35.05 per ft. 9900K39



		Material	Cross Section Shape	Construction	Texture	Color	Clarity	Diameter	Diameter Tolerance	Tolerance Rating	Length	Hardness	Hardness Rating	For Use Outdoors	Temperature Range	Impact Strength
Med Yes -20° 16.8	eg eg	age Ge Ge	e e	e e	ф Э	e e	φ. Φ.	e e	Φ. Xe	e G	e	Φ.	Je Je			

Material	UHMW Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	Black
Clarity	Opaque
Diameter	 
Diameter Tolerance	0.000" to +0.187"
Tolerance Rating	Oversized
Length	1ft., 2ft., 3ft., 4ft., 5ft.
Hardness	Durometer 70D
Hardness Rating	Medium
For Use Outdoors	Yes
Temperature Range	-20° to 180° F
Impact Strength	16.80 ftlbs./in.
Impact Strength Rating	Excellent
Tensile Strength	2,400 psi
Tensile Strength Rating	Poor
Surface Resistivity	109 ohms/sq. M
Specifications Met	ASTM D4020 UL 94V2
Density	0.034 lbs./cu. in.
Coefficient of Friction	0.19
Dielectric Strength	450 V/Mil
Water Absorption	0.01%
Coefficient of Thermal Expansion	1.4 × 10 <sup>-4</sup> in./in./ F
RoHS	Compliant

# Antistatic UHMW Rod, 3" Diameter | McMaster-Carr

6/25/2018

With a surface resistivity of 109 ohms/sq., these rods are often used as bushings and bearings in applications where static electricity is a concern. They have a slippery surface and offer excellent wear and impact resistance.

1 ) . . . . b

Z009-11-7.

REV. A SHEET 1 OF 1 MB 09 10 19 DART AEROSPACE LID
HAWWESBURY, ONTARIO, CANADA

(2) CRAWING NO.

MUHMWTR DATE UHMW TUBING NOW AEROSPACE LTD MFG. APPR. APPROVED DE APPR. DATE 09.10.19 A NEW ISSUE DESIGN DRAWN

PURCHASE MATERIAL UHMW TUBING PERASTM D 4020 01

PART NUMBER: MUHMWTR | D.DDD | W | .TTT | C | WALL | COLOR. B = BLACK | WALL | COLOR. B = BLACK

EG. 3.500" OD X 0.280" WALL TUBING = MUHMWTR3.500W.280

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0

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# MATERIAL RECEIPT INSPECTION FORM

\* 1 1

MATERIAL: MUH DATE: 18/06/	MW	23	1.000-B		PO / BATCH	NO.: <u>1064</u>	10287/508
MATERIAL CERT REC'D: 165 QUANTITY RECEIVED: 3 ft QUANTITY REJECTED: 4				SHE	CKNESS ORDE KNESS RECEI ET SIZE ORDE ET SIZE RECEI	RED:	
DESCRIPTION	NCR (Chec Y/N)	k			COMMEN	ΓS	
SURFACE DAMAGE	X	Y)					
CORRECT FINISH	1	V					
CORROSION		N)					
CORRECT GRAIN DIRECTION		1		×			
CORRECT MATERIAL PER M-DRAWING	1 7	N	ASTM	04020			
CORRECT THICKNESS		V					
PHOTO REQUIRED		<u>y</u> )	D. JAN	-			
CORRECT REF # TO LINK CERT		_	PO04028	/			
ORRECT MATERIAL IDENTFICATION	1	N					
CORRECT M# ON THE MATERIAL	(Y) 1	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YI	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	YI	7					
CUT SAMPLE PIECI			ERIAL AND RD RESUL			SS CHECK.	
		_	IRC	HRB	DUR A	DUR D	WEBSTER
YPE OF MATERIAL							
IZE OF TEST SAMPLE							
ARDNESS / DUROMETER READI	NG T						
		ers le	ocated in the	Quality Offi	ce	•	

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	AT DAS	SIGNED OFF BY:
DATE:	18/06/2889	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in